

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 12/02/2020 08:56 AM
Cytometer Baseline: 02/04/2020 09:45 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80996 **Expiration Date:** 04/30/2020 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124374	-1	2.17	124522	2.16
Blue	F	SSC	125000	124412	-1	1.62	125160	1.62
Blue	E	FITC	15892	15464	-3	2.91	337	21.44
Blue	D	PE	29999	29140	-3	1.99	635	15.28
Blue	B	PerCP-Cy5-5	43732	43332	-1	3.80	1165	21.43
Blue	A	PE-Cy7	30845	30616	-1	6.37	593	44.20
Red	C	APC	46112	45373	-2	2.44	1601	12.11
Red	A	APC-Cy7	30458	29559	-3	2.32	802	11.97
Violet	B	V450	7918	7578	-5	4.43	432	13.41
Violet	A	V500	32171	30574	-5	4.18	716	10.44

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16415	12.20	657	36	N/A	N/A	Pass
Blue	F	SSC	57327	1.21	589	30	N/A	N/A	Pass
Blue	E	FITC	61	67.39	555	12	0.0171	124	Pass
Blue	D	PE	132	53.06	561	13	0.1592	314	Pass
Blue	B	PerCP-Cy5-5	214	51.99	670	14	0.0081	41	Pass
Blue	A	PE-Cy7	110	108.85	716	18	0.0091	14	Pass
Red	C	APC	385	25.39	590	6	0.0248	179	Pass
Red	A	APC-Cy7	179	28.29	561	5	0.0054	869	Pass
Violet	B	V450	65	60.23	458	0	0.0465	1913	Pass
Violet	A	V500	107	34.21	473	-1	0.0241	903	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-33.05	-32.51	1.03
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.39
Red	15.80	13.60 - 20.40	N/A	N/A	29.72	30.23	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.73

Threshold

Threshold (FSC): 9561

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments